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TECH CENTER 1600/2900

1635



1600

**ENTERED**RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/661,658BDATE: 11/07/2002  
TIME: 14:31:39#14/K.T.  
11/18

Razee

Seq.

Input Set : A:\Arch-39.app  
Output Set: N:\CRF4\11072002\I661658B.raw

4 &lt;110&gt; APPLICANT: Andrew D. Ellington, Michael P. Robertson. Kristen A. Marsh

6 &lt;120&gt; TITLE OF INVENTION: Allosterically Regulated Ribozymes

8 &lt;130&gt; FILE REFERENCE: 119927-1021

10 &lt;140&gt; CURRENT APPLICATION NUMBER: 09/661,658B

11 &lt;141&gt; CURRENT FILING DATE: 2000-09-14

13 &lt;150&gt; PRIOR APPLICATION NUMBER: 60/212,097

14 &lt;151&gt; PRIOR FILING DATE: 2000-06-15

16 &lt;160&gt; NUMBER OF SEQ ID NOS: 6

18 &lt;170&gt; SOFTWARE: PatentIn version 3.1

20 &lt;210&gt; SEQ ID NO: 1

21 &lt;211&gt; LENGTH: 129

22 &lt;212&gt; TYPE: DNA

23 &lt;213&gt; ORGANISM: Artificial Sequence

25 &lt;220&gt; FEATURE:

26 &lt;223&gt; OTHER INFORMATION: Engineered Aptazyme

28 &lt;220&gt; FEATURE:

29 &lt;221&gt; NAME/KEY: misc\_feature

30 &lt;223&gt; OTHER INFORMATION: Engineered Aptazyme

32 &lt;400&gt; SEQUENCE: 1

60

33 taatcttacc ccggaattat atccagctgc atgtcaccat gcagaggcaga ctatcatctcc

120

35 aacttgttaa agcaagtgt ctatcggttc gagtcacttg accctactcc ccaaaggat

129

37 agtcgttag

40 &lt;210&gt; SEQ ID NO: 2

41 &lt;211&gt; LENGTH: 131

42 &lt;212&gt; TYPE: DNA

43 &lt;213&gt; ORGANISM: Artificial Sequence

45 &lt;220&gt; FEATURE:

46 &lt;223&gt; OTHER INFORMATION: Engineered Aptazyme

48 &lt;220&gt; FEATURE:

49 &lt;221&gt; NAME/KEY: misc\_feature

50 &lt;223&gt; OTHER INFORMATION: Engineered Aptazyme

52 &lt;400&gt; SEQUENCE: 2

60

53 gcctgagtt aaggtgactt atacttgtaa tctatctaaa cggggAACCT ctctagtaga

120

55 caatccccgtg ctaaattata ccagcatgtg cttgatgcc ttggcagata aatgcctaacc

131

57 gactatccct t

61 &lt;210&gt; SEQ ID NO: 3

62 &lt;211&gt; LENGTH: 75

63 &lt;212&gt; TYPE: DNA

64 &lt;213&gt; ORGANISM: Artificial Sequence

66 &lt;220&gt; FEATURE:

67 &lt;223&gt; OTHER INFORMATION: Engineered Aptazyme

69 &lt;220&gt; FEATURE:

70 &lt;221&gt; NAME/KEY: misc\_feature

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/661,658B

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Input Set : A:\Arch-39.app  
Output Set: N:\CRF4\11072002\I661658B.raw

```

71 <223> OTHER INFORMATION: Engineered Aptazyme
73 <400> SEQUENCE: 3                                60
74 gataatacga ctcactatag ggatcaacgc tcagtagatg ttttcttggg ttaattgagg    75
76 cctgagtata aggtg
79 <210> SEQ ID NO: 4
80 <211> LENGTH: 89
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Engineered Aptazyme
87 <220> FEATURE:
88 <221> NAME/KEY: misc_feature
89 <223> OTHER INFORMATION: Engineered Aptazyme
91 <400> SEQUENCE: 4                                60
92 cttagctaca atatgaacta acgttagcata tgacgcaata ttaaacggta gcattatgtt    89
94 cagataaggt cgtaatctt accccggaa
97 <210> SEQ ID NO: 5
98 <211> LENGTH: 131
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Engineered Aptazyme
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (77)..(77)
108 <223> OTHER INFORMATION: N= A, C, T or G
110 <220> FEATURE:
111 <221> NAME/KEY: misc_feature
112 <222> LOCATION: (108)..(108)
113 <223> OTHER INFORMATION: N= A, C, T or G
115 <400> SEQUENCE: 5                                60
116 gcctgagtt aaggtagctt atactagtaa tctatctaaa cggggAACCT ctctagtaga    120
W--> 118 caatcccggt ctaaatnata ccagcatcgt cttgatgcc ttggcagnta aatgcctaac   131
120 gactatccct t
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 101
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Engineered Aptazyme
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <223> OTHER INFORMATION: Engineered Aptazyme
135 <400> SEQUENCE: 6                                60
136 cttagctaca atatgaacta acgttagcata tgacgcaata ttaaacggta gtattatgtt    101
138 cagataaggt cgtaatctt accccggaaat tctatccagc t

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/661,658B

DATE: 11/07/2002  
TIME: 14:31:40

Input Set : A:\Arch-39.app  
Output Set: N:\CRF4\11072002\I661658B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 77,108

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/661,658B

DATE: 11/07/2002

TIME: 14:31:40

Input Set : A:\Arch-39.app  
Output Set: N:\CRF4\11072002\I661658B.raw

L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:60